



"Making a Difference"

**COUNTY OF SAN LUIS OBISPO  
DEPARTMENT OF PLANNING AND BUILDING  
STAFF REPORT**

**Tentative Notice of Action**

<b>MEETING DATE</b> March 4, 2005 <b>LOCAL EFFECTIVE DATE</b> March 18, 2005 <b>APPROX FINAL EFFECTIVE DATE</b> April 5, 2005	<b>CONTACT/PHONE</b> Marsha Lee 805-788-2008	<b>APPLICANT</b> Dan Morefield	<b>FILE NO.</b> DRC 2003-00092
<b>SUBJECT</b> Request by Dan Morefield for a Minor Use Permit/Coastal Development Permit to demolish an existing 764 square foot residence and construct a new, two-story, single family dwelling of approximately 1976 square feet and a 588 square foot attached garage. The project will result in the disturbance of approximately 2760 square feet on a 2760 square foot parcel. The proposed project is within the Residential Multi Family land use category and is located at 369 McCarthy Avenue, approximately 500 feet east of Strand Avenue in the Oceano Beach area. The site is in the San Luis Bay Coastal planning area.			
<b>RECOMMENDED ACTION</b> Approve Minor Use Permit / Coastal Development Permit DRC 2003-00092 based on the findings listed in Exhibit A and the conditions listed in Exhibit B			
<b>ENVIRONMENTAL DETERMINATION</b> A Class 3 Categorical Exemption pursuant to CEQA guidelines section 15303 was issued on August 31, 2004			
<b>LAND USE CATEGORY</b> Residential Multi Family	<b>COMBINING DESIGNATION</b> Local Coastal Plan, Coastal Appealable Zone, Archaeologically Sensitive Area, Small Scale Neighborhood, and Airport Review Area, Flood Hazard	<b>ASSESSOR PARCEL NUMBER</b> 061-012-025	<b>SUPERVISOR DISTRICT(S)</b> 4
<b>PLANNING AREA STANDARDS:</b> Airport Review Area and building height <i>Does the project meet applicable Planning Area Standards: Yes - see discussion</i>			
<b>LAND USE ORDINANCE STANDARDS:</b> Coastal Appealable Zone, Local Coastal Plan, Archaeologically Sensitive Area, Small Scale Neighborhood <i>Does the project conform to the Land Use Ordinance Standards: Yes - see discussion</i>			
<b>FINAL ACTION</b> This tentative decision will become the final action on the project, unless the tentative decision is changed as a result of information obtained at the administrative hearing or is appealed to the County Board of Supervisors pursuant Section 23.01.042 of the Coastal Zone Land Use Ordinance; effective on the 10th working day after the receipt of the final action by the California Coastal Commission. The tentative decision will be transferred to the Coastal Commission following the required 14 calendar day local appeal period after the administrative hearing.  The applicant is encouraged to call the Central Coast District Office of the Coastal Commission in Santa Cruz at (831) 427-4863 to verify the date of final action. The County will not issue any construction permits prior to the end of the Coastal Commission process.			
<small>ADDITIONAL INFORMATION MAY BE OBTAINED BY CONTACTING THE DEPARTMENT OF PLANNING &amp; BUILDING AT: COUNTY GOVERNMENT CENTER ♦ SAN LUIS OBISPO ♦ CALIFORNIA 93408 ♦ (805) 781-5600 ♦ FAX: (805) 781-1242</small>			

EXISTING USES: existing 764 square foot single family residence	
SURROUNDING LAND USE CATEGORIES AND USES: <i>North:</i> Res. Multi Family/ Single Family Residences <i>East:</i> Res. Multi Family/ Single Family Residences <i>South:</i> Res. Multi Family/ Single Family Residences <i>West:</i> Res. Multi Family/ Single Family Residences	
OTHER AGENCY / ADVISORY GROUP INVOLVEMENT: The project was referred to: Oceano/Halcyon Advisory Council, Public Works, Oceano Community Services District, California Coastal Commission, Airport Manager, Community Advisory Liaison Tony Navarro	
TOPOGRAPHY: Relatively Flat	VEGETATION: Grasses, ice plant
PROPOSED SERVICES: Water supply: Community system Sewage Disposal: Community sewage disposal system Fire Protection: Oceano Fire Department	ACCEPTANCE DATE: August 31, 2004

## DISCUSSION

### PLANNING AREA STANDARDS:

Airport Review Area: This project site is within the Airport Review Area and is subject to the standards set forth in the San Luis Bay Planning Area Combining Designations section. Allowable uses are limited to those designated as "compatible" or "conditionally approvable" by the adopted Oceano County Airport Land Use Plan. A recorded avigation easement is required prior to issuance of a building permit. *The project complies with these standards as conditioned.*

Height: Structures in the Oceano Multi-Family Residential area are not to exceed 25 feet. *The project complies with this standard.*

### LAND USE ORDINANCE STANDARDS:

Section 23.07.120: The project site is located within the California Coastal Zone as determined by the California Coastal Act of 1976 and is subject to the provisions of the Local Coastal Plan.

Section 23.01.043 Appeals to the Coastal Commission (Coastal Appealable Zone): The project is appealable to the Coastal Commission.

Section 23.04.100 Setbacks: All the setback requirements are included in this section of the Coastal Zone Land Use Ordinance. The required front setback is a minimum of twenty-five feet. The required side setback is ten percent of the lot width to a maximum of five feet on sites less than one acre in net area. The required rear setback is ten feet on sites of less than one acre in net area. *The project complies with these standards.*

Section 23.05.106 Curbs, Gutters and Sidewalks: Curbs, Gutters and Sidewalks are required with any project in the Residential Multi-Family category. *The project complies with this standard.*

### Geology - Liquefaction susceptibility

Recent studies by the U.S. Geological Survey (USGS) have confirmed liquefiable soils in the project area. A Geotechnical Engineering Report for the proposed single family residence at 369 McCarthy

Avenue, Oceano was prepared by Buena Geotechnical Services, dated June 23, 2004. The report concluded that the site is suitable for the proposed development from a geotechnical engineering standpoint provided the recommendations contained herein are properly implemented into the project. The project is conditioned to implement the recommendations and conclusions of the report Addendum dated October 25, 2004, Buena Geotechnical Services, requiring structural mat foundation and overexcavation below the bottom of the footings.

**COASTAL PLAN POLICIES:** COASTAL PLAN POLICIES: The project is consistent with the Coastal Plan Policies. The most relevant policies are discussed below.

**Public Works:**

*Policy 1: Availability of Service Capacity applies to the project. The applicant needs to demonstrate that adequate public service capacities are available to serve the proposed project by submitting a water and sewer will-serve letter. A letter dated August 28, 2003 from the Oceano Community Services District (OCSO) states that they are able to serve the project under conditions stated by OCSO.*

**Shoreline Access:**

*Policy 2: New Development shall provide access to the beach. The proposed project is consistent with this policy because although it is near the beach, the proposed residence is not between the first public road and the shoreline and new access ways are not needed because adequate access already exists.*

**Visual and Scenic Resources:**

*Policy 1: Site Selection for new development: The proposed project is consistent with this policy because the development is sited so as to protect views to and along the ocean.*

*Policy 5: Land-form Alteration: The proposed project is consistent with this policy because grading, earthmoving, major vegetation removal and other land-form alterations within public view corridors will be minimized.*

*Policy 6: Special Communities and Small-Scale Neighborhoods. The proposed project is located within the Oceano Small Scale Neighborhood area and is subject to the policies for visual and scenic resources. New development in this area is to be designed and sited to complement and be visually compatible with existing characteristics of the community. The proposed single family residence is consistent with this policy.*

*Policy 7: Preservation of Trees and Native Vegetation: The proposed project is consistent with this policy because no trees are proposed for removal.*

**Archaeology:**

*Policy 1 & 4: Preliminary Site Survey for Development within Archaeologically Sensitive Areas. Policy 1 focuses on the protection of archaeological resources, and that the county shall protect both known and potential archaeological resources. Policy 4 requires a preliminary site survey conducted by a qualified archaeologist that is knowledgeable in Chumash culture. The project is located within an archaeologically sensitive area and is consistent with these policies because a preliminary site survey was conducted by a qualified archaeologist and no resources were found on the subject property (Parker & Associates, April 24, 2004).*

**COMMUNITY ADVISORY GROUP COMMENTS:**

None received as of 8/30/04

**AGENCY REVIEW:**

Public Works - Need Curb Gutter and Sidewalk.

Oceano Community Services District & Fire- Recommend approval upon completion of conditions of will serve letter.

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Hearing Officer

Morefield Minor Use Permit/Coastal Development Permit # DRC 2003-00092

Page 4

California Coastal Commission - None received as of 8/30/04

Airport Manager - None as of 8/30/04

Staff report prepared by Marsha Lee and reviewed by Matt Janssen

## EXHIBIT A - FINDINGS

### *CEQA Exemption*

- A. The project qualifies for a (Class 3) Categorical Exemption ED 04-109 pursuant to CEQA Guidelines Sections 15303 because there is only one structure to be demolished and only one single family dwelling to be constructed.

### *Minor Use Permit*

- B. The proposed project or use is consistent with the San Luis Obispo County General Plan because the use is an allowed use and as conditioned is consistent with all of the General Plan policies.
- C. As conditioned, the proposed project or use satisfies all applicable provisions of Title 23 of the County Code.
- D. The establishment and subsequent operation or conduct of the use will not, because of the circumstances and conditions applied in the particular case, be detrimental to the health, safety or welfare of the general public or persons residing or working in the neighborhood of the use, or be detrimental or injurious to property or improvements in the vicinity of the use because the project does not generate activity that presents a potential threat to the surrounding property and buildings. This project is subject to Ordinance and Building Code requirements designed to address health, safety and welfare concerns.
- E. The proposed project or use will not be inconsistent with the character of the immediate neighborhood or contrary to its orderly development because the project is similar to, and will not conflict with, the surrounding lands and uses.
- F. The applicant has demonstrated that adequate public service capacities are available to serve the proposed project by submitting water and sewer will-serve letters.

### *Coastal Access*

- G. The proposed use is in conformity with the public access and recreation policies of Chapter 3 of the California Coastal Act, because the project will not inhibit access to the coastal waters and recreation areas. There is established coastal access that exists near the site, and this site is not adjacent to the beach.

### *Archeological Sensitive Area*

- H. The site design and development incorporate adequate measures to ensure that archeological resources will be acceptably and adequately protected because no resources were found during the preliminary site survey and the project has been conditioned in the event resources are unearthed during construction.

## EXHIBIT B - CONDITIONS OF APPROVAL

### Approved Development

1. This approval authorizes:
  - a. Demolish an existing 764 square foot residence.
  - b. Construct a new, two-story, single family dwelling of approximately 1976 square feet and a 588 square foot attached garage.
  - c. Maximum height - 25' from finished grade (3.3 feet of fill will be imported to raise the finished floor elevation one foot above the 100 year flood elevation of 10.0 feet)
  - d. No porches, decks, or structures above 30" in height extending into the front setback.
2. **Prior to occupancy**, the applicant shall install concrete curb, gutters and sidewalks as approved by the County Public Works department.

### Airport Review

3. The project shall be in full compliance with Federal Aviation Regulation part 77, "Objects Effecting Navigable Airspace."
4. Maximum interior noise levels in the structure shall be limited to 45 dBA or less.
5. **Prior to issuance of building permit**, the applicant shall receive an Avigation Easement from the County of San Luis Obispo via an avigation easement document prepared by the County. The avigation easement document shall be reviewed and approved by County Counsel.
6. Non-reflective materials shall be used for buildings and signs.
7. No light emissions that would interfere with aircraft operations shall be used during construction or as part of the project.
8. No electronic transmissions that would interfere with aircraft operations shall be used during construction or as part of the project.
9. All owners, potential purchasers, occupants (whether as owners or renters), and potential occupants (whether as owners or renters) shall receive full and accurate disclosure concerning the presence and operations of the Oceano Airport and any noise, safety, or over-flight impacts associated with airport operations prior to entering any contractual obligation to purchase, lease, rent or otherwise occupy the structure.

### Archaeology

10. In the event archaeological resources are unearthed or discovered during any construction activities, the following standards apply:
  - a. Construction activities shall cease and the Environmental Coordinator and Planning Department shall be notified so that the extent and location of discovered materials may be recorded by a qualified archaeologist, and disposition of artifacts may be accomplished in accordance with state and federal law.

1-7

- b. In the event archaeological resources are found to include human remains, or in any other case where human remains are discovered during construction, the County Coroner is to be notified in addition to the Planning Department and Environmental Coordinator so that proper disposition may be accomplished.

**Grading, Drainage, Sedimentation and Erosion Control**

11. **Prior to issuance of construction permits**, if grading is to occur between October 15 to April 15, a sedimentation and erosion control plan shall be submitted pursuant to Coastal Zone Land Use Ordinance Section 23.05.036.
12. **Prior to issuance of construction permits**, the applicant shall submit a drainage plan for review and approval by the County Public Works Department.

**Fire Safety**

13. **Prior to issuance of a construction permit**, the applicant shall provide the County Department of Planning and Building with a fire safety plan approved by the Oceano Community Services District (OCSD). The fire safety plan shall include, but not be limited to all requirements as specified by OCSD.
14. **Prior to occupancy or final inspection**, which ever occurs first, the applicant shall obtain final inspection and approval from OCSD of all required fire/life safety measures.

**Services**

15. **Prior to issuance of construction permit**, the applicant shall provide a letter from Oceano Community Services District stating they are willing and able to service the property.

**Building Height**

16. **The maximum height of the project is 25 feet from average natural grade.**
  - A. **Prior to any site disturbance**, a licensed surveyor or civil engineer shall stake the lot corners, building corners, and establish average natural grade and set a reference point (benchmark).
  - B. **Prior to approval of the foundation inspection**, the benchmark shall be inspected by a building inspector prior to pouring footings or retaining walls, as an added precaution.
  - C. **Prior to approval of the roof nailing inspection**, the applicant shall provide the building inspector with documentation that gives the height reference, the allowable height and the actual height of the structure. This certification shall be prepared by a licensed surveyor or civil engineer.

**Geology**

17. **Prior to issuance of building permit**, the plans shall incorporate the recommendations in the Addendum to Geotechnical Engineering Report, by Buena Geotechnical, dated October 25, 2004. These recommendations include, but are not limited to a structural mat foundation and overexcavation below the bottom of the footings.
18. **Prior to issuance of construction permits**, the project CEG/RGE shall provide the building designer and County Geologist with the UBC Near-Source Seismic Coefficient for ground acceleration.

1-8

Hearing Officer

Morefield Minor Use Permit/Coastal Development Permit # DRC 2003-00092

Page 8

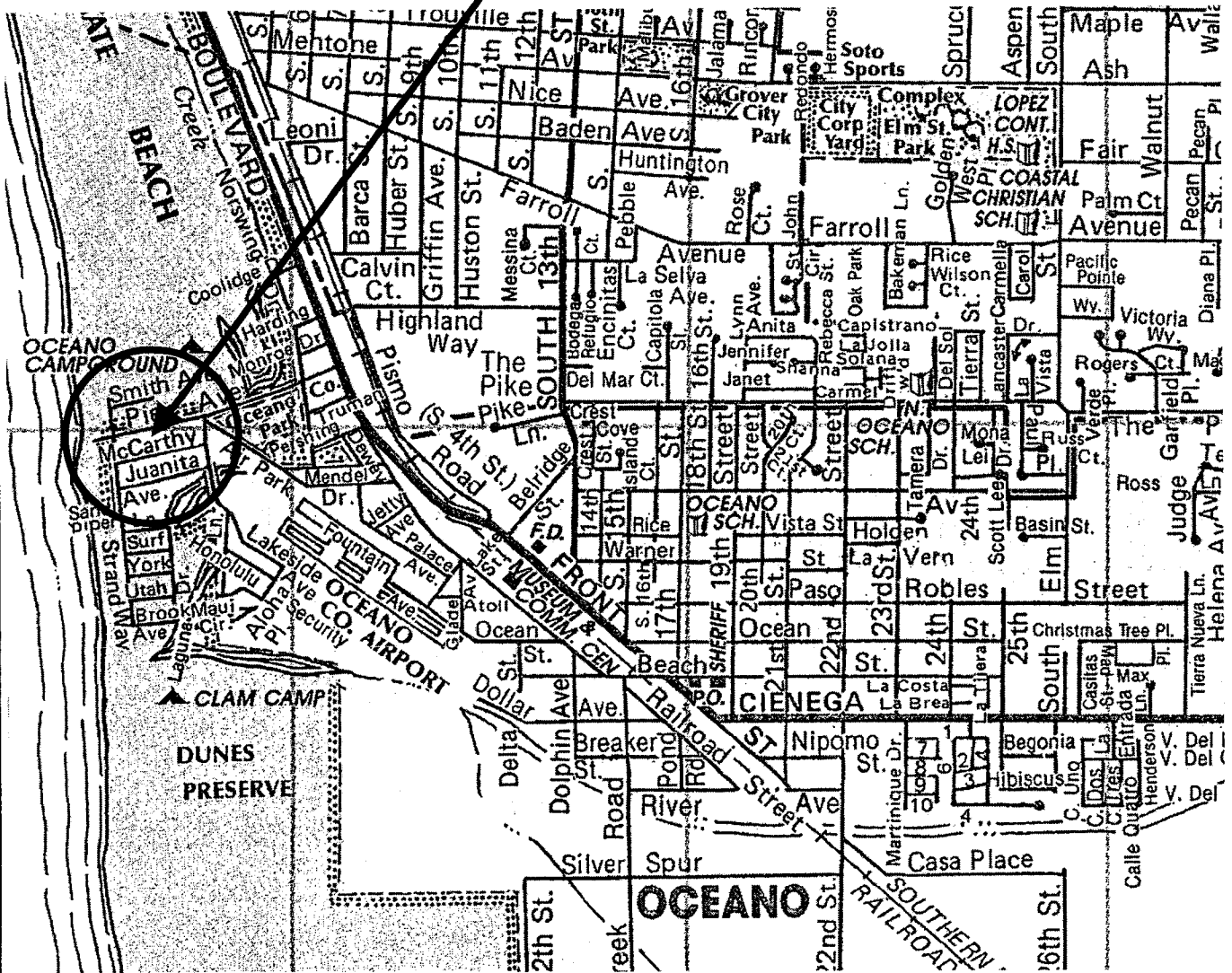
19. **During construction**, the project CEG/RGE shall observe the foundation excavation to ensure that the required embedment is obtained; the foundation locations, depths, and lithologies shall be recorded on an as-built geologic map; and two copies of the map shall be provided to the San Luis Obispo County Geologist for the department's records.
20. **Prior to issuance of construction permits**, the project CEG/RGE shall evaluate if naturally occurring asbestos is present at the site. If naturally occurring asbestos is found at the site, an Asbestos Health and Safety Program and an Asbestos Dust Mitigation Plan is required to be approved by the CARB before grading or construction begins, or use the standard APCD recommendation for mitigation.

**Miscellaneous**

21. **Prior to issuance of a construction permit**, the applicant shall pay all applicable school and public facilities fees.
22. **Prior to occupancy of any structure associated with this approval**, the applicant shall contact the Department of Planning and Building to have the site inspected for compliance with the conditions of this approval.
23. This permit is valid for a period of 24 months from its effective date unless time extensions are granted pursuant to Land Use Ordinance Section 23.02.050. This permit is generally considered to be vested once a building permit has been issued and substantial site work has been completed. Substantial site work is defined (Section 23.02.042) as site work progressed beyond grading and completion of structural foundations; and construction is occurring above grade ('sticks in the air').



# Site



**PROJECT**

Minor Use Permit  
Morefield/ DRC2003-00092



**EXHIBIT**

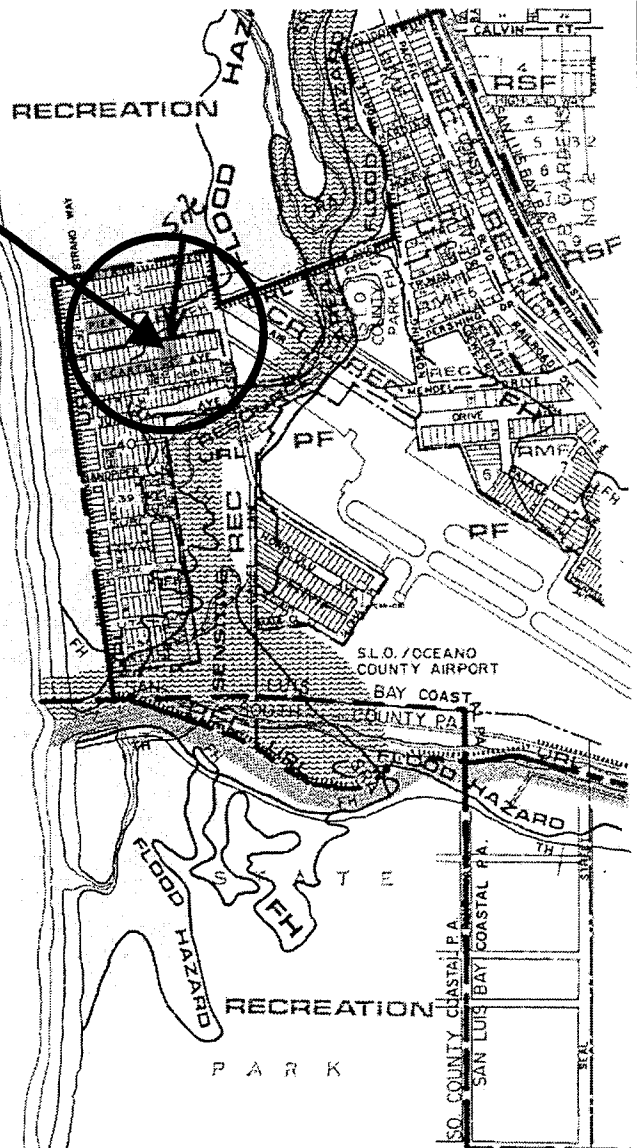
Vicinity Map

1-10

# Site

THIS ENTIRE MAP IS WITHIN THE AIRPORT  
REVIEW AREA

N  
A  
E  
C  
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C  
I  
F  
I  
C  
  
A  
P



THIS ENTIRE MAP IS WITHIN THE AIRPORT REVIEW AREA

1	LA	74	75
2	GRANDE	73	76
3		72	77
4	BEACH	71	78
5	PIAVENT	70	79

## PROJECT

Minor Use Permit  
Morefield/ DRC2003-00092



## EXHIBIT

Land Use Category Map

1-11

**PROJECT INFORMATION**  
 New Single Family Residence  
 369 McCarthy Ave  
 Oceano, CA 93445  
 APN 061-012-025  
 Zoning R3

Lower Floor 720 sqft  
 Upper Floor 1256 sqft  
 Deck Level 1122 sqft

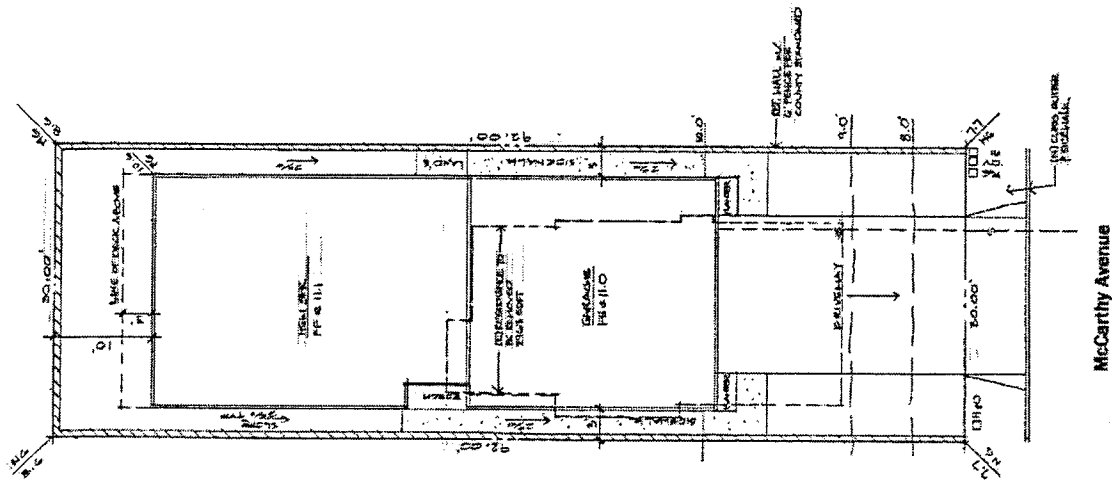
Coverage 588 sf  
 Decks 192 sqft

**APPLICANT**

Jim & Ann Miller  
 369 McCarthy Ave  
 Oceano, CA 93445  
 805-481-8422

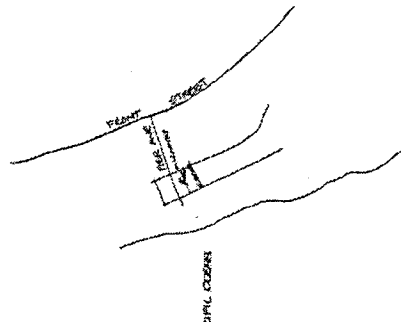
**OWNER**

Dan Morefield  
 27591 Arline Dr  
 Santa Clara, CA 91350



McCarthy Avenue

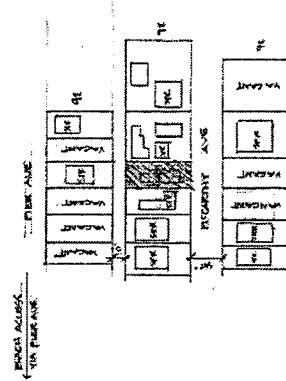
**NOTE:**  
 Existing lot is flat at Elevation 7.7'.  
 3.3' of fill will be imported to raise  
 the finished floor elevation to Elevation 11.0',  
 one foot above the 100 year flood Elevation of 10.0'.



↑ VICINITY MAP

↑ SITE PLAN

↑ SURROUNDING STRUCTURES

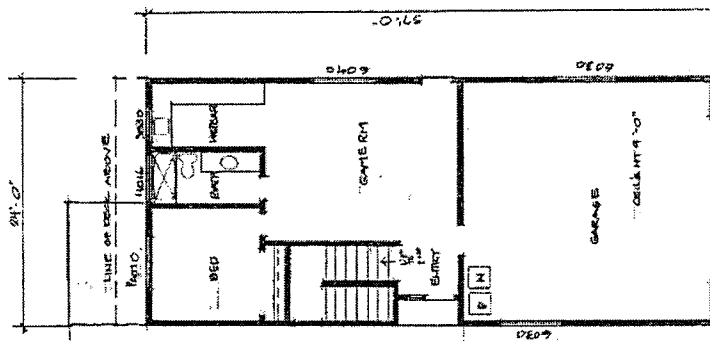


**PROJECT**  
 Minor Use Permit  
 Morefield/ DRC2003-00092

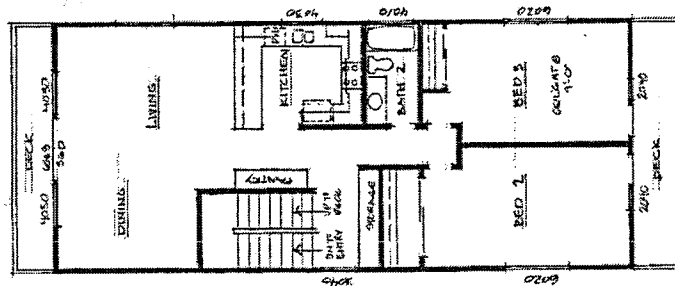


**EXHIBIT**  
 Site Plan

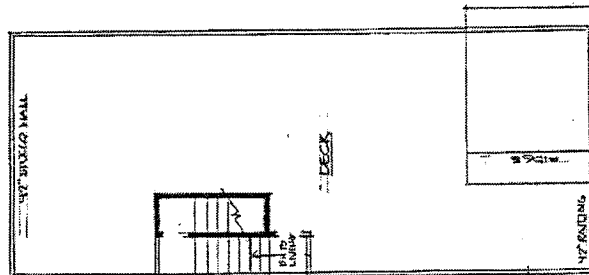
1-12



LOWER FLOOR



UPPER FLOOR



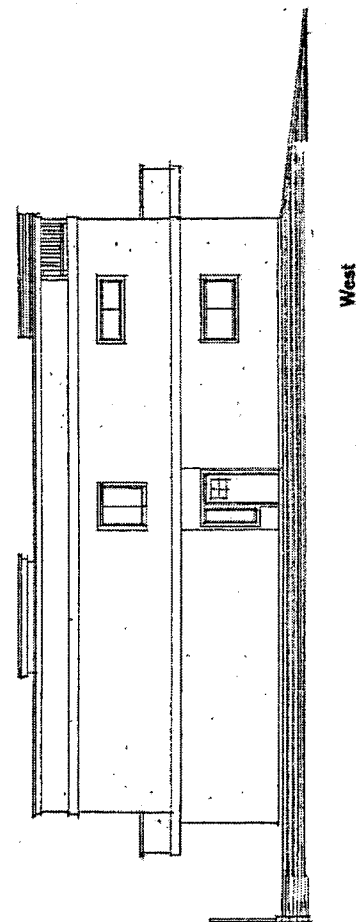
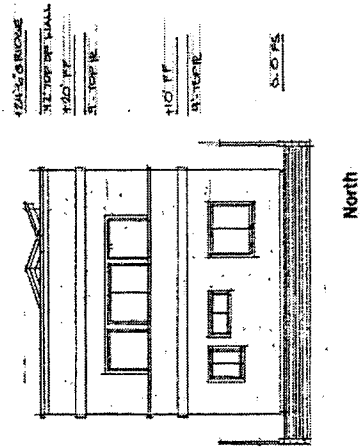
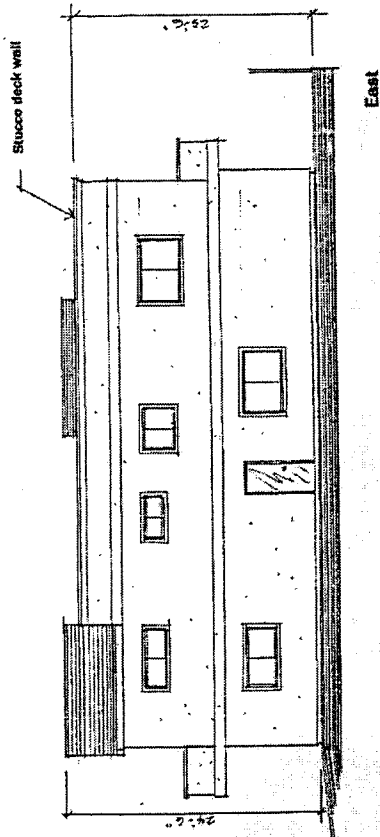
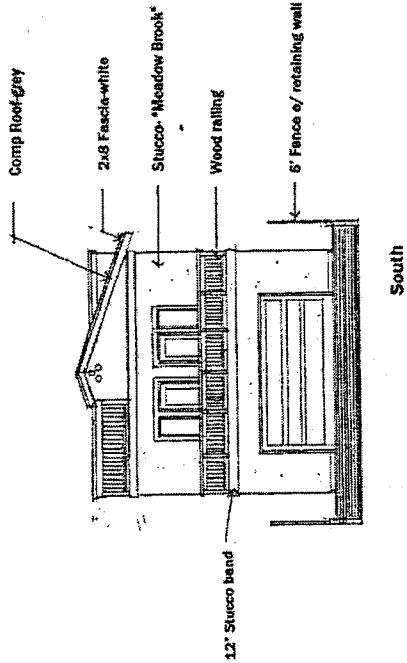
DECK LEVEL

PROJECT  
Minor Use Permit  
Morefield/ DRC2003-00092



EXHIBIT  
Floor Plans

1-13



ELEVATIONS

PROJECT  
Minor Use Permit  
Morefield/ DRC2003-00092



EXHIBIT  
Elevations



RECEIVED

1-14

SAN LUIS OBISPO COUNTY

DEPARTMENT OF PLANNING AND BUILDING  
SLO CO PLANNING & BLDG.VICTOR HOLANDA, AICP  
DIRECTOR

THIS IS A NEW PROJECT REFERRAL

APR 19 2004  
COMM SERV DIVPlanner  
Marsha Lee  
Setup #1931 + to  
405

DATE:

4/13/04

TO:

Oceano CSO &amp; Fire

FROM:

Coastal Team

(Please direct response to the above)

MUP

morefield

DRC 2003-00092

Project Name and Number

Development Review Section (Phone: 781-788-2009 Taryn (781-5600))

PROJECT DESCRIPTION:

Demo. existing SFR, build new SFR.

Return this letter with your comments attached no later than:

4/28/04

## PART I

IS THE ATTACHED INFORMATION ADEQUATE FOR YOU TO DO YOUR REVIEW?

☒

YES

(Please go on to Part II)

☐

NO (Call me ASAP to discuss what else you need. We have only 30 days in which we must accept the project as complete or request additional information.)

## PART II

ARE THERE SIGNIFICANT CONCERNS, PROBLEMS OR IMPACTS IN YOUR AREA OF REVIEW?

☒

NO

(Please go on to Part III)

☐

YES (Please describe impacts, along with recommended mitigation measures to reduce the impacts to less-than-significant levels, and attach to this letter.)

## PART III

INDICATE YOUR RECOMMENDATION FOR FINAL ACTION. Please attach any conditions of approval you recommend to be incorporated into the project's approval, or state reasons for recommending denial. IF YOU HAVE "NO COMMENT," PLEASE INDICATE OR CALL.

We recommend approval upon satisfactory completion of all requirements  
as stated in the OCSD Will-Serve letter.

Date

4-22-04

Name

Philip T. Davis

Phone



1-15  
8  
SAIN LUIS OBISPO COUNTY  
DEPARTMENT OF PLANNING AND BUILDING

APR 15 2004

VICTOR HOLANDA, AICP  
DIRECTOR

THIS IS A NEW PROJECT REFERRAL

Planner -  
Marsha Lee

DATE:

4/13/04

FROM

PW

TEROM  
T

Coastal Team

(Please direct response to the above)

MUP

morefield

DRC 2003-00092

Project Name and Number

Development Review Section (Phone: 781-788-2009 Taryn, 781-5600)

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4/28/04

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☒ YES  
☐ NO

(Please go on to Part II)

(Call me ASAP to discuss what else you need. We have only 30 days in which we must accept the project as complete or request additional information.)

PART II

ARE THERE SIGNIFICANT CONCERNS, PROBLEMS OR IMPACTS IN YOUR AREA OF REVIEW?

☒ NO  
☐ YES

(Please go on to Part III)

(Please describe impacts, along with recommended mitigation measures to reduce the impacts to less-than-significant levels, and attach to this letter.)

PART III

INDICATE YOUR RECOMMENDATION FOR FINAL ACTION. Please attach any conditions of approval you recommend to be incorporated into the project's approval, or state reasons for recommending denial. IF YOU HAVE "NO COMMENT," PLEASE INDICATE OR CALL.

Recommend Approval - CG & SW, ELEVATE ABOVE 100 yr  
FLOOD AS NOTED ON SITE PLAN (page 1).

27 May 2004  
Date

Goodwin  
Name

5252  
Phone

FAX NO. :

Oct. 28 2004 04:47PM P1

**BUENA GEOTECHNICAL SERVICES, LLC**

P.O. BOX 2457 ATASCADERO CA 93423

October 25, 2004

B-043874

Bud Kelly  
P.O. Box 178  
Arroyo Grande, CA 93421

Project: 369 McCarthy Avenue  
San Luis Obispo County, California

Subject: Addendum to Geotechnical Engineering Report

Reference: Geotechnical Engineering Report dated June 23, 2004

As requested, an additional boring was drilled on October 13, 2004 at the subject site. The purpose of the additional boring was to determine (N<sub>1</sub>)<sub>60</sub> blow counts, the potential for liquefaction, potential settlement due to the presence of liquefiable soils and recommendations for a foundation to withstand possible settlement due to liquefaction. The new boring, analysis and recommendations are in response to guidelines for such studies adopted by The County of San Luis Obispo subsequent to the December, 1993 San Simeon earthquake.

A single 8 inch diameter hollow stem boring was drilled to a depth of 50 feet below existing grade. Groundwater was encountered at a depth of 4.5 feet below the existing ground surface. Standard penetration testing was obtained at intervals of 10 feet in depth to a total depth of 50 feet. The sampling was performed in accordance with Test designation ASTM D 1586-92. The S.P.T. blow counts were converted to N<sub>60</sub> blow counts and then converted to (N<sub>1</sub>)<sub>60</sub> blow counts adjusting for the effective overburden pressure (CN) at the sampled depths.

DEPTH	SPT	N <sub>60</sub>	CN	(N <sub>1</sub> ) <sub>60</sub>
10'	7	6	1.34	8
20'	9	9	.975	9
30'	27	30	.79	24
40'	28	32	.67	21
50'	24	28	.58	16



FAX NO. :

Oct. 29 2004 04:48PM P2

October 25, 2004

B-043874

Based on further analysis at the project site, the upper 25 feet of soils were found to be moderately to highly liquefiable with potential settlement of 2.5 to 3 inches. The zone below 25 feet revealed interbedded layers with moderate liquefaction potential and potential settlement of 1.5 to 2 inches.

Because of the moderate to high potential for liquefaction at the project site, we recommend that a structural mat foundation be constructed to support the structure. A rigid mat foundation will effectively distribute eccentric loads, reduce the potential for differential settlement, resist lateral movement and resist upward forces from a high groundwater presence (Day, 1999).

The soil in the building area should be overexcavated to a depth of 1 foot below bottom of footing elevation. The overexcavation should extend to a distance of 5 feet beyond the building perimeter. The resulting surface should be scarified, moisture conditioned and recompacted to a minimum of 90% of maximum dry density. The previously removed material should then be replaced in thin lifts, moisture conditioned and compacted to a minimum of 90% of maximum dry density.

Construction of the rigid mat foundation should be designed by the Project Structural Engineer or Architect to withstand up to 4 to 5 inches of settlement and a cantilever of 6 feet. The foundation should be designed using a modulus of subgrade reaction of  $K_v=30$ . Additionally, we recommend that an allowable bearing value of 1200 psf be used in the foundation design for the cantilever condition (bridging value).

This firm should be notified to provide testing and inspection services during grading operations and the foundation construction phase of the project to verify the intent of these recommendations.

FAX NO. :

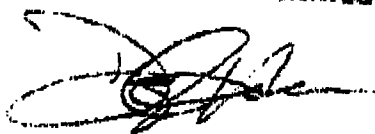
Oct. 25 2004 04:49PM

October 25, 2004

B-043874

If there are any further questions, please do not hesitate to contact this office.

Respectfully submitted,  
**Buena Geotechnical Services**



Douglas Hallin  
Project Manager



Norman G. Hallin  
Geotechnical Engineer

Attachment: Boring Log

FAX NO. :

Oct. 29 2004 04:49PM P4

# LOG OF BORING

Site Location: 369 McCarthy Ave.

Fert:

Kelly

Job No. B-043874

Driller/Helper:

Rig Type:

BORING NO. 3

Auger Diameter:

Date: October 13, 2004

Depth (ft.)	Bag Sample	Blows per ft	Drilling comments	Voids	Moisture	Description	USCS	Buena Soil ID
0	U	4				Brown silty very fine to fine sand Groundwater @ 4.5'	SM	A1
						Gray silty very fine to fine sand	SM/SP	A2
10	S	3/2/5						
20	S	2/4/5						
30	S	10/12/15						
40	S	8/12/16						
50	S	8/10/14				Total depth = 50'0"		
60								
70								
80								

## GROUNDWATER

Time Depth  
A.M. 4.5'

## SAMPLE TYPE

U=Undisturbed ring sample  
S=Standard penetration tube  
T=Shelby tube

[ ] 3" [ ] Other: